

| | | | | | |
|-----------|------------|------------|------------|-------------|------------|
| 1 | | | | | 50 |
| PmCS | MNTLSQAIKA | YNSNDYELAL | KLFEKSAETY | GRKIVEFQII | KCKEKLSTNS |
| PmHAS | MNTLSQAIKA | YNSNDYQLAL | KLFEKSAEiY | GRKIVEFQIT | KCKEKLsAHP |
| Consensus | MNTLSQAIKA | YNSNDY#LAL | KLFEKSAEiY | GRKIVEFQii | KCKEKLSanp |
| 51 | | | | | 100 |
| PmCS | YVS..... | EDKNSVCDS | SLDIATQLLL | SNVKKLtlSE | SEKNSLKNKW |
| PmHAS | SVNSAHLsVN | KEEKVNVCDS | PLDIATQLLL | SNVKKLVlSD | SEKNTLKNKW |
| Consensus | sVn..... | e#eKnnVCDS | plDIATQLLL | SNVKKLtlLS# | SEKNSLKNKW |
| 101 | | | | | 150 |
| PmCS | KSITGKKSEN | AEIRKVELVP | KDFPKDLVLA | PLPDHVNDFT | WYKNRKKSLG |
| PmHAS | KLLTEKKSEN | AEVRAVALVP | KDFPKDLVLA | PLPDHVNDFT | WYKKRKKRLG |
| Consensus | KliTeKKSEN | AE!RaValVP | KDFPKDLVLA | PLPDHVNDFT | WYKnRKKrLG |
| 151 | | | | | 200 |
| PmCS | IKPVNKNIGL | SIiIPTFNRS | RILDITLACL | VNQKTnYPFE | VVvADDGSKE |
| PmHAS | IKPEHQHVGL | SIiVTTFNRP | AIISITLACL | VNQKThYPFE | VIVTDDGSQe |
| Consensus | IKPenqn!GL | SIi!pTFNRP | aiLdITLACL | VNQKTnYPFE | V!VaDDGSqE |
| 201 | | | | | 250 |
| PmCS | NLLTiVQKYE | QKLdIKYVRQ | KDYGYQLCAV | RNLGLRTAKY | DFVSILDCDM |
| PmHAS | DLSPiIRQYE | NKLDIRYVRQ | KDNFFQASAA | RNMGLRLAKY | DFIGLLDCDM |
| Consensus | #Llpi!rqYE | #KLDIRYVRQ | KDnG%QacAa | RN\$GLRLAKY | DF!gilDCDM |

Fig. 1a

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| | | | | | | |
|-----------|------------|------------|------------|------------|-------------|-----|
| 251 | | | | | | 300 |
| PmCS | APQQLWVHSY | LTELLEDNDI | VLIGPRKYVD | THNITAEQFL | NDPYLIESLP | |
| PmHAS | APNPLWVHSY | VAELLEDDDL | TIIGPRKYID | TQHIDPKDFL | NNASLLES LP | |
| Consensus | AP#qLWVHSY | laELLEd#di | tiIGPRKY!D | TqnIdae#FL | N#asLiESLP | |
| 301 | | | | | | 350 |
| PmCS | ETATNNNPSI | TSKGNISLDW | RLEHFKKTDN | LRLCDSPFY | FSCGNVAFSK | |
| PmHAS | EVKTNNSVAA | KEGTVSLDW | RLEQFEKTEN | LRLSDSPFRF | FAAGNVAFaK | |
| Consensus | EtaTNNnpaa | kgeGn!SLDW | REqFeKT#N | LRLcDSpFR% | FaaGNVAFaK | |
| 351 | | | | | | 400 |
| PmCS | EWLNVGWFD | EEFNHWGGED | VEFGYRLFAK | GCFFRVIDGG | MAYHQEPPGK | |
| PmHAS | KWLNKSGFFD | EEFNHWGGED | VEFGYRLFRY | GSFFKTIDGI | MAYHQEPPGK | |
| Consensus | eWLNKsGfFD | EEFNHWGGED | VEFGYRLFak | GcFFrtIDGg | MAYHQEPPGK | |
| 401 | | | | | | 450 |
| PmCS | ENETDREAGK | SITLKIVKEK | VPYIYRKLLP | IEDSHIHRIp | LVSIIYIPAYN | |
| PmHAS | ENETDREAGK | NITLDIMREK | VPYIYRKLLP | IEDSHINRVP | LVSIIYIPAYN | |
| Consensus | ENETDREAGK | nITldImrEK | VPYIYRKLLP | IEDSHInR!P | LVSIIYIPAYN | |
| 451 | | | | | | 500 |
| PmCS | CANYIQRCVD | SALNQTVVdL | EVCICNDGST | DNTLEVINKL | YGNNPRVRIM | |
| PmHAS | CANYIQRCVD | SALNQTVVdL | EVCICNDGST | DNTLEVINKL | YGNNPRVRIM | |
| Consensus | CANYIQRCVD | SALNQTVVdL | EVCICNDGST | DNTLEVINKL | YGNNPRVRIM | |

Fig. 1b

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

[illegible][illegible]

Fig. 1c

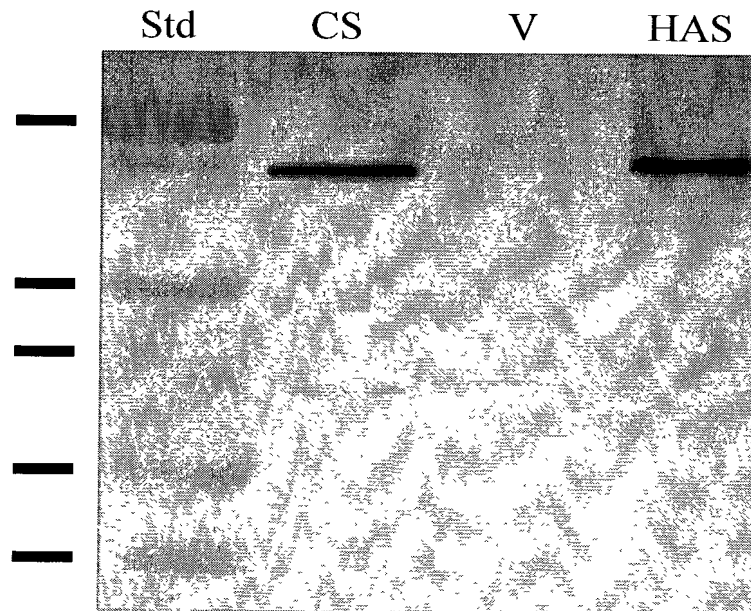


Fig. 2

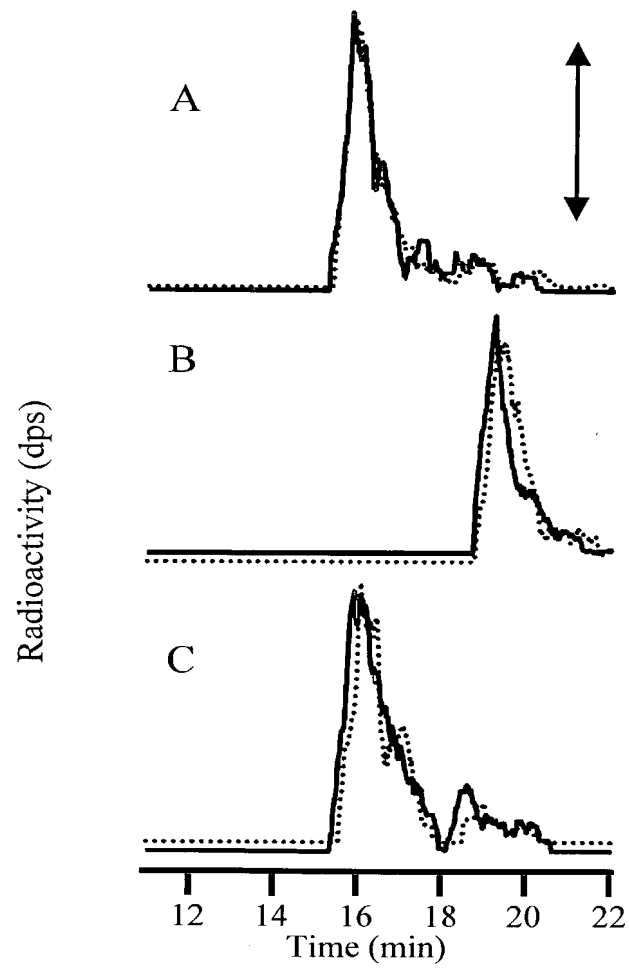


Fig. 3

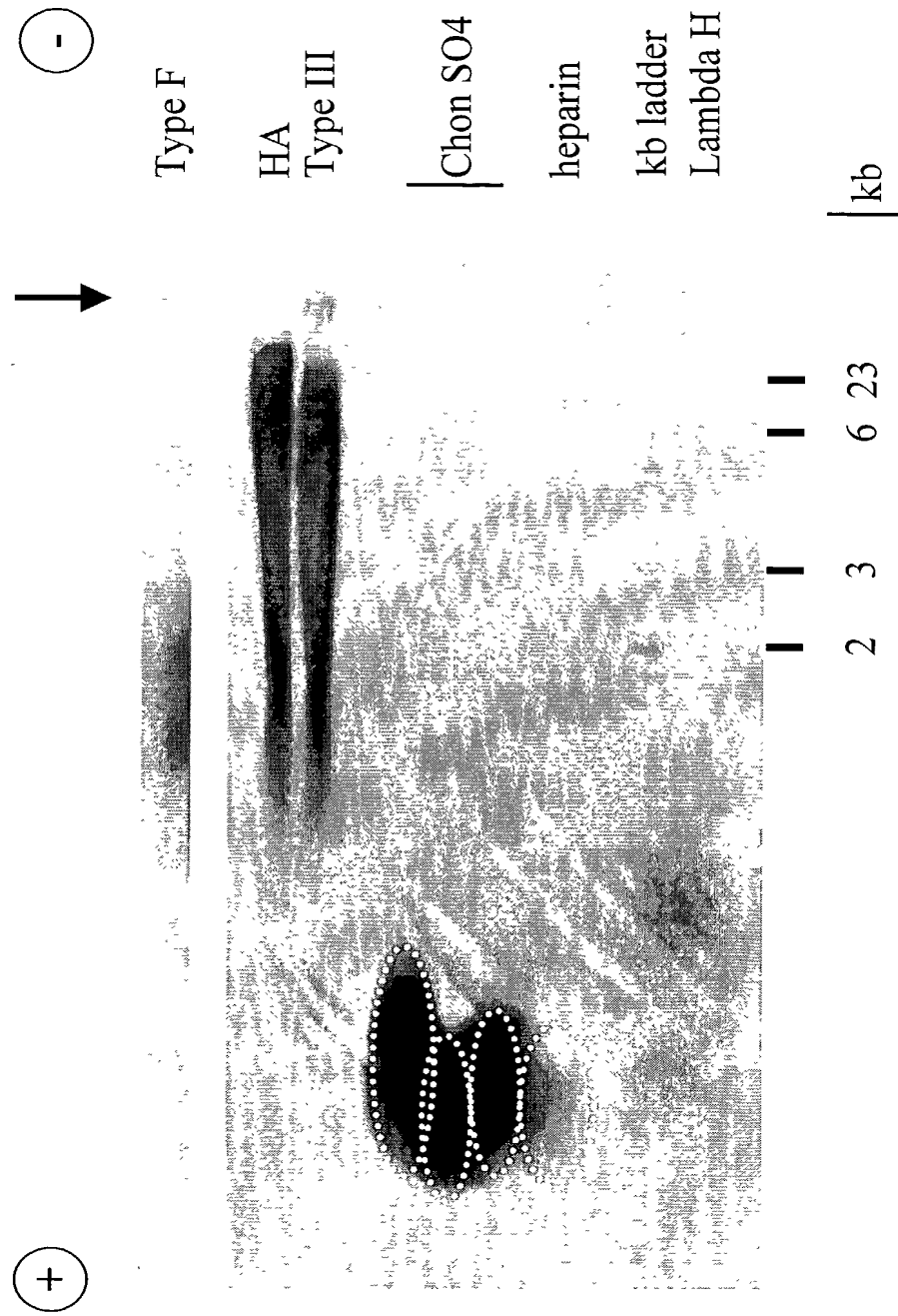


Fig. 4

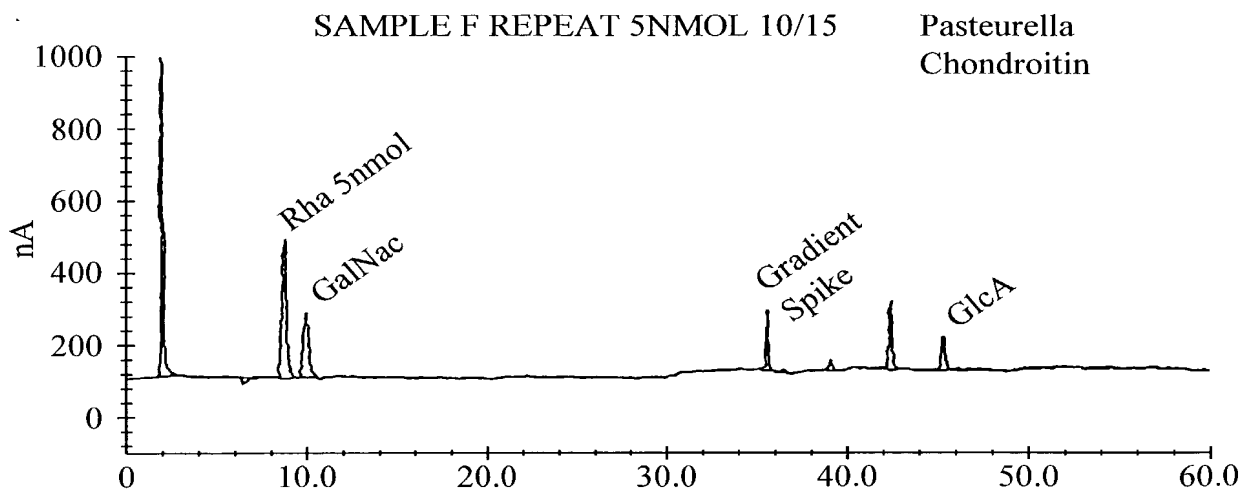
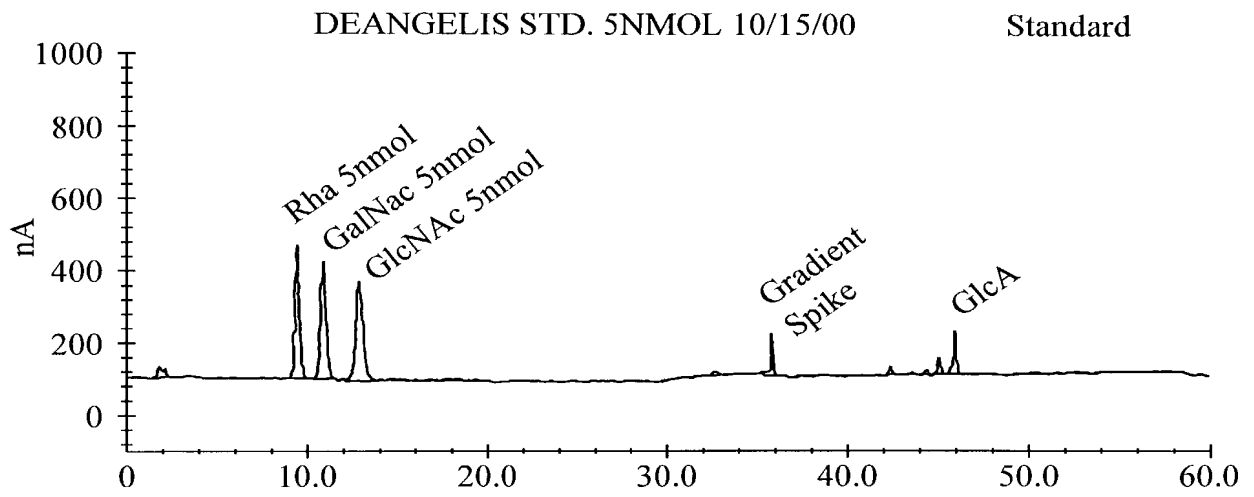


Fig. 5

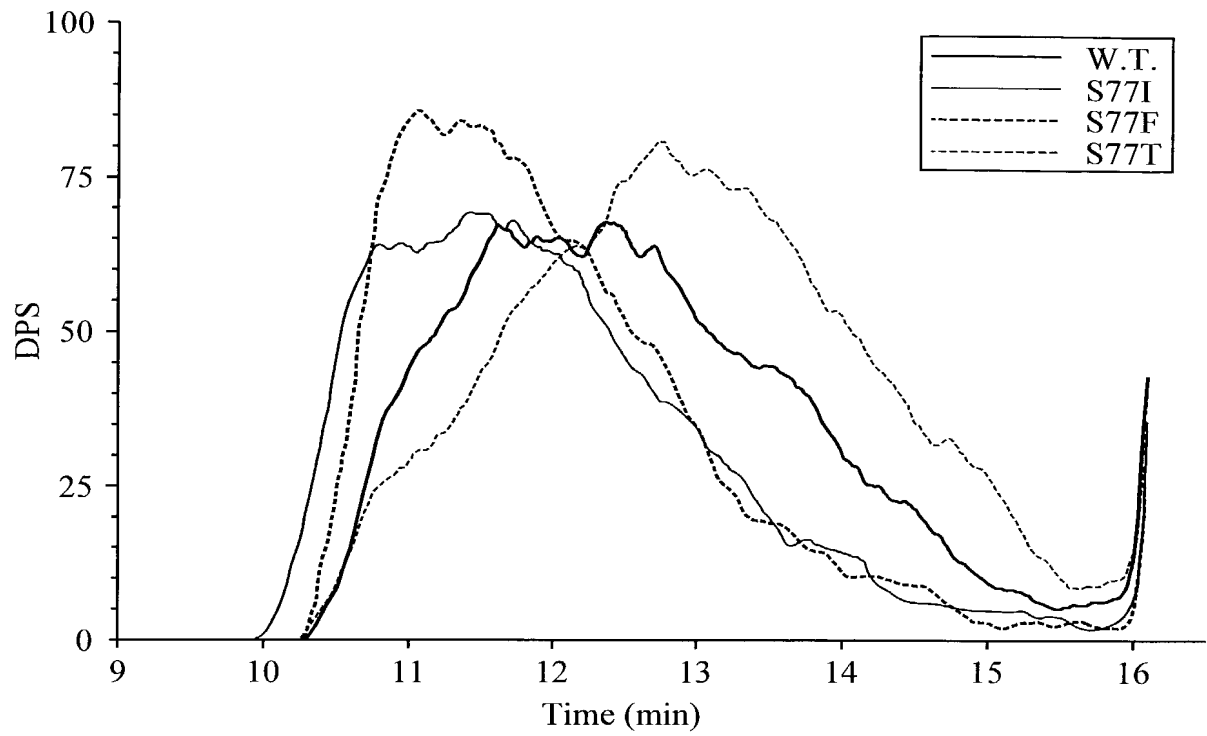


Fig. 6

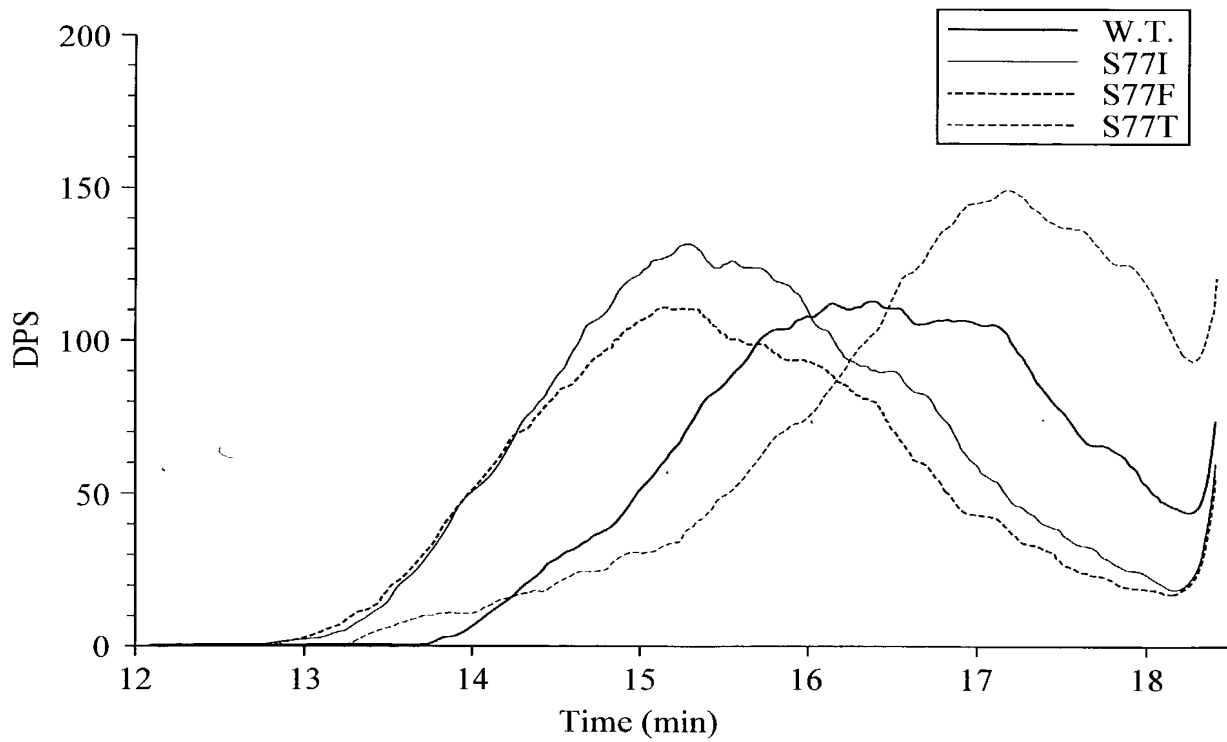


Fig. 7

NMR of Type F Polymer

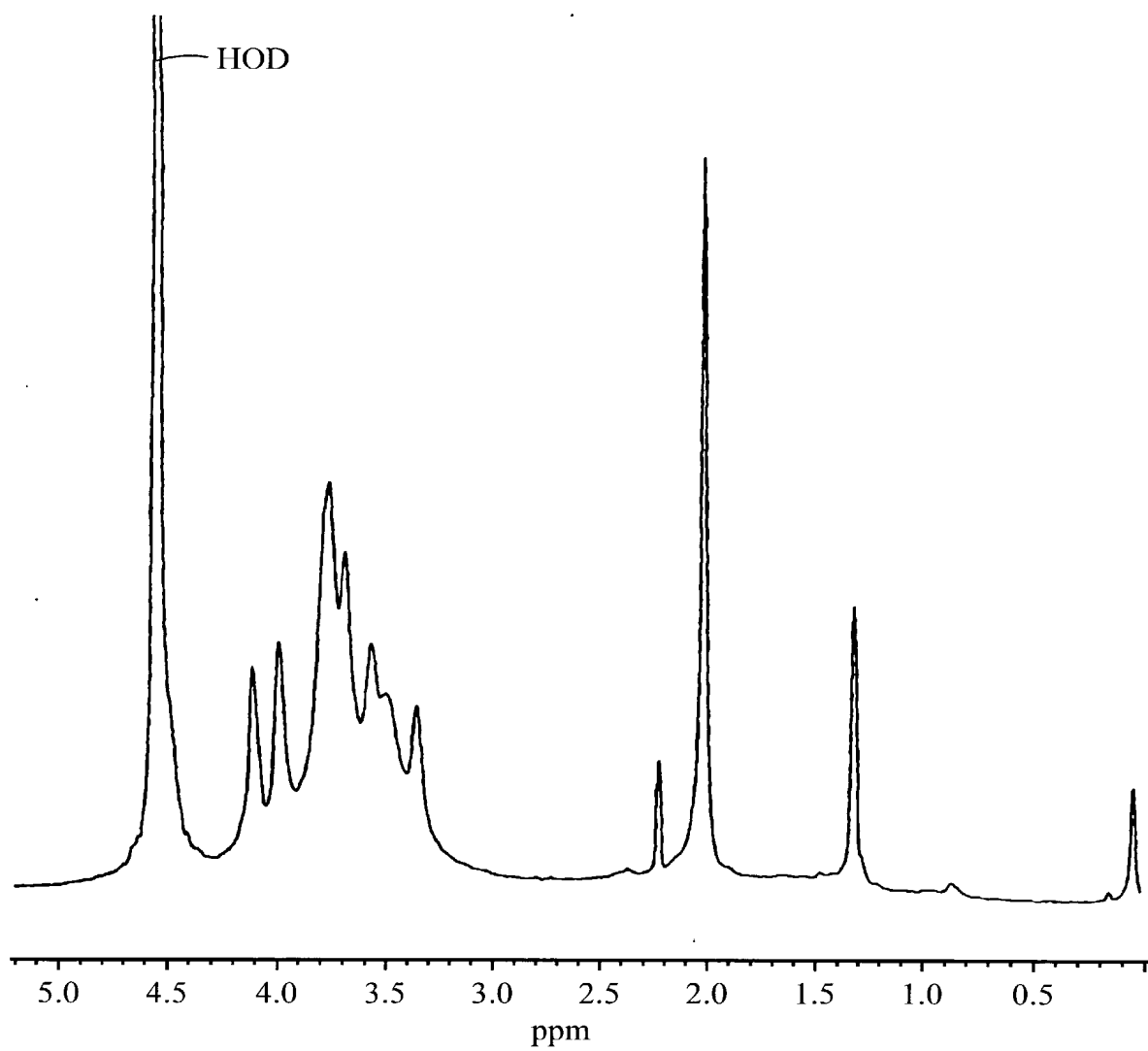


Fig. 8

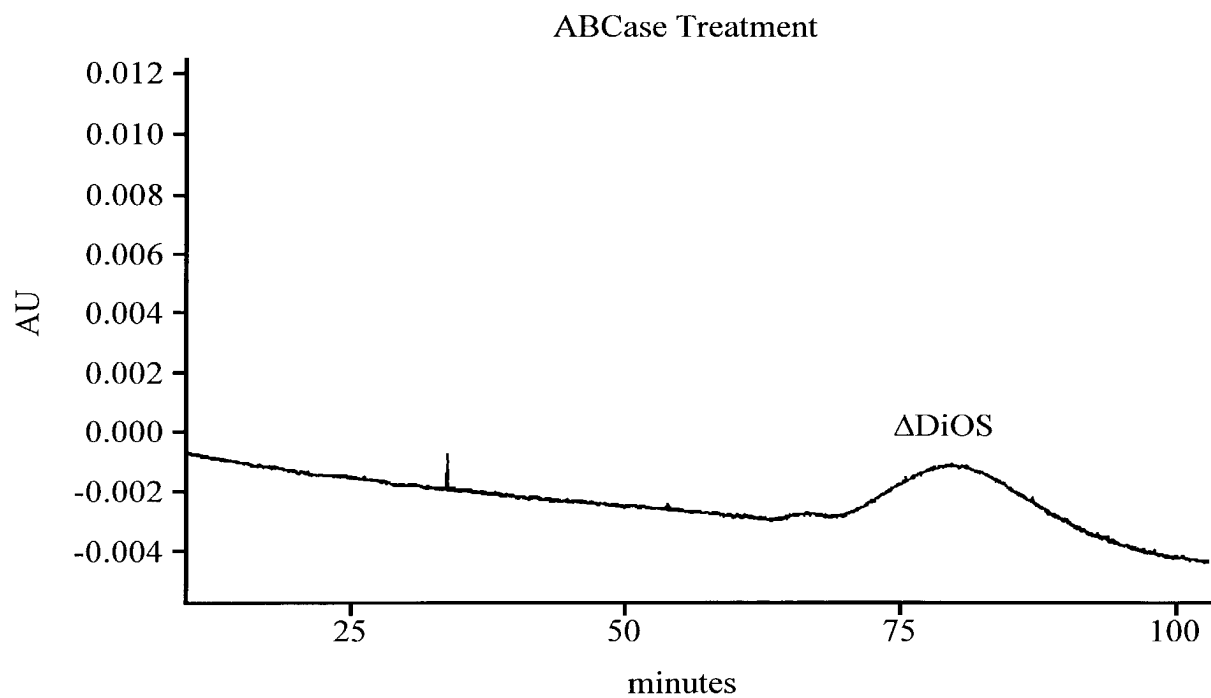


Fig. 9

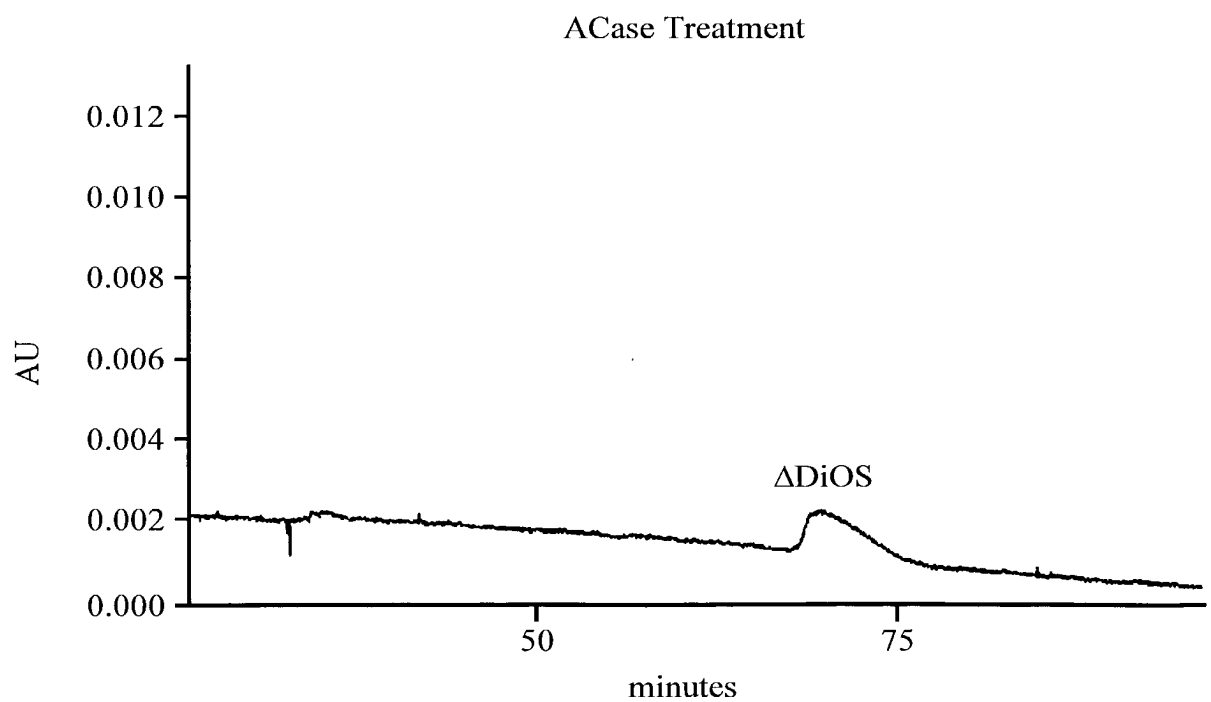


Fig. 10